

**32-bit PCI BUS
10/100Mbps
Fast Ethernet Adapter**

User's Guide

1. Introduction

Thank you for purchasing our 10/100 Fast Ethernet Adapter. Fast Ethernet Adapter that provides the best possible performance. The RJ-45 port contains auto-negotiation functions that allow it to intelligently mediate between full and half-duplex modes, thereby facilitating the speed of migration between 10Base-T and 100Base-TX. Furthermore, when used with a switching hub that supports full duplex, the speed is effectively doubled to 20/200Mb. Lastly, on board LEDs and the diagnostic software provided make it a simple task to monitor an entire network's activity.

Designed in the plug-and-play solution, this Fast Ethernet Adapter's installation is hassle free, automatically configuring itself upon power-up to avoid conflicts. Its comprehensive and intelligent auto-install software installs the correct driver for the network operating system of your choices.

2. Features & Technical Specification

(1) Features

- Complies with the IEEE802.3 CSMA/CD, 100Base-TX and 10Base-T standard.
- Support 32-bit PCI Bus Master for high performance and low processor utilization.
- Full duplex design to double the performance to 20Mbps/200Mbps.
- Support Auto-negotiation function.
- Auto-setups IRQ and I/O address.
- Built-in FIFO buffers to eliminate external memory.
- One STP connector for 100Mbps or 10Mbps network speed.
- Supports early interrupt on transmit to increase performance.
- Supports ODI driver for NetWare 3.x/4.x; NDIS driver for LAN Manager, Windows 95, Windows 98, Windows NT; Packet Driver for TCP/IP software.
- Provides diagnostic software and LEDs to indicate network status.
- Supports smart remote Boot ROM (optional)
- Supports APCI Wake on LAN (optional)

(2) Technical Specification

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| • Topology | : Star |
| • Connector | : RJ-45 |
| • Standard | : IEEE802.3 10Base-T; IEEE802.3 100Base-TX |
| • Transmission Rate | : 10Mbps or 20Mbps; 100Mbps or 200Mbps |
| • Hardware Required | : IBM compatible PC with available PCI slot |
| • RQ Line | : Assigned by system |
| • I/O Address | : Assigned by system |
| • Drivers | : ODI driver for NetWare 3.x/4.x NDIS driver for LAN Manager, Windows 95, Windows 98, Windows NT, Packet Driver for TCP/IP software. |
| • Temperature | : 0°C to 55°C (Operating) |
| • Humidity | : 10% to 90% (Non-condensing) |
| • Certification | : FCC Class B, CE Mark |
| • Power consumption | : 1.8W (Max.) |

3. Installation

(1) Hardware Installation

To insert the network adapter into your PC, follow the steps below:

1. Turn off the computer and remove its cover.
2. Insert the adapter into a PCI slot.
3. Secure this adapter to the rear of the computer chassis and put back the computer cover.
4. Connect the adapter to the network using twisted-pair cable.

(2) Driver Installation

Use the drivers supplied by the diskette included in this product. For detail description, please refer to the diskette provides by this product.

4. Trouble-shooting

If you experience any problems with the adapter, first make sure the appropriate driver is loaded, the proper cable is connected to the adapter port and the hub complies with the adapter specification, such as 10Mbps 10Base-T or 100Mbps 100Base-TX, then check the LED.

The adapter provides easy LEDs to indicate network status.

FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits of a Class B computing devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. If you suspect this product is causing interference, turn your computer on and off while your radio or TV is showing interference. If the interference disappears then when you turn the computer off and reappears then you turn the computer on, something in the computer is causing interference. You can try to correct the interference by one or more of the following measures:

1. Reorient/Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Ensure that all expansion slots (on the back or side of the computer) are covered. Also ensure that all metal retaining brackets are tightly attached to the computer.

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GigaFast Ethernet Technical Support Department
Hours of Operation
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Excluding Holidays
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